

Message Text

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ACTION IO-14

INFO OCT-01 EUR-12 ISO-00 ACDA-12 CIAE-00 INR-10 L-03
NSAE-00 NSC-05 EB-08 NRC-05 OES-07 SOE-02 DODE-00
SS-15 SP-02 CEQ-01 OIC-02 AF-10 ARA-10 EA-10
NEA-10 /139 W

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FM AMEMBASSY VIENNA
TO SECSTATE WASHDC 5884
AMEMBASSY BRUSSELS PRIORITY
INFO USDOEHQ WASHDC
USDOEHQ GERMANTOWN

C O N F I D E N T I A L SECTION 01 OF 02 VIENNA 03307

USIAEA, USEEC

DEPT PASS IO/SCT

DOE PASS AMMONS, IA; BARTELS, SS
USEEC PASS TO AMBASSADOR R. KIRK

E.O.11652: GDS
TAGS: IAEA, OCON, EC, TECH, PARM
SUBJECT: SPECIAL IAEA BOARD OF GOVERNORS MEETING APRIL
21; EURATOM/IAEA SAFEGUARDS ISSUE

REF: VIENNA 1753

1. FOLLOWING IS TEXT OF IAEA DIRECTOR GENERAL'S REPORT
TO BOARD OF GOVERNORS ON THE STATUS OF IAEA NEGOTIATIONS
WITH EURATOM FOR SAFEGUARDS FACILITY ATTACHMENTS:

BEGIN TEXT.

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5 APRIL 1978
RESTRICTED DISTR.

PROGRESS ON THE IMPLEMENTATION OF THE SAFEGUARDS AGREEMENT
BETWEEN THE AGENCY, THE EUROPEAN ATOMIC ENERGY COMMUNITY
AND ITS NON-NUCLEAR-WEAPON STATES.

MEMORANDUM BY THE DIRECTOR GENERAL

1. AS REQUESTED BY THE BOARD AT ITS SESSION IN FEBRUARY 1978, THE DIRECTOR GENERAL HAS PREPARED THIS PROGRESS REPORT ON THE NEGOTIATION OF THE SUBSIDIARY ARRANGEMENTS IN IMPLEMENTATION OF THE SAFEGUARDS AGREEMENT BETWEEN THE AGENCY, THE EUROPEAN ATOMIC ENERGY COMMUNITY (EURATOM) AND THE NON-NUCLEAR-WEAPON STATES WHICH ARE MEMBERS OF THE COMMUNITY (THE EURATOM AGREEMENT; INFCIRC/193). THE REPORT REFLECTS THE SITUATION AS OF 3 APRIL 1978 AND THE DIRECTOR GENERAL WILL PROVIDE THE BOARD ORALLY WITH FURTHER INFORMATION ON ANY DEVELOPMENTS THAT MAY OCCUR BETWEEN THAT DATE AND THAT OF THE BOARD MEETING.

FACILITIES COVERED BY THE EURATOM AGREEMENT

2. ACCORDING TO THE LATEST INFORMATION FROM EURATOM THERE ARE 112 NUCLEAR FACILITIES COVERED BY THE EURATOM AGREEMENT; THERE ARE ALSO 92 LOCATIONS OUTSIDE FACILITIES IN EACH OF WHICH NUCLEAR MATERIAL IN QUANTITIES OF LESS THAN 1 EFFECTIVE KILOGRAM IS HELD. THE FOLLOWING IS A LIST OF SUCH FACILITIES AND LOCATIONS BY CATEGORY:

(A) LIGHT-WATER REACTOR FACILITIES	22
(B) OTHER POWER REACTORS	4
(C) RESEARCH REACTORS, INCLUDING CRITICAL	
- FACILITIES	50

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(D) FUEL FABRICATION FACILITIES	12
(E) REPROCESSING FACILITIES	3
(F) ENRICHMENT FACILITIES	1
(G) OTHER FACILITIES	20
(H) LOCATIONS OUTSIDE FACILITIES	92
- TOTAL	204

3. ACCORDINGLY, ABOUT 200 ATTACHMENTS COVERING ALL THESE INSTALLATIONS HAVE TO BE CONCLUDED IN ORDER TO ENABLE THE AGENCY FULLY TO IMPLEMENT THE EURATOM AGREEMENT. THE SECRETARIAT AND THE COMMISSION HAVE CONCENTRATED THEIR EFFORTS ON FINALIZING THE TEXTS OF THE ATTACHMENTS FOR THE MOST COMMON TYPES OF INSTALLATIONS, I.E. LIGHT-WATER REACTORS, RESEARCH REACTORS AND LOCATIONS OUTSIDE FACILITIES. AS REGARDS SENSITIVE FACILITIES HANDLING NUCLEAR MATERIAL IN BULK FORM, THE MAIN EFFORT HAS BEEN DEVOTED TO COMPLETING NEGOTIATIONS ON THE ATTACHMENT FOR THE LARGEST OF THE THREE REPROCESSING PLANTS.

RESULTS ACHIEVED TO DATE

4. NEGOTIATIONS ON ATTACHMENTS HAVE REACHED THE FOLLOWING STAGE:

(A) THE SECRETARIAT AND THE COMMISSION HAVE CONCLUDED NEGOTIATION OF THE TEXT OF THE FACILITY ATTACHMENTS FOR 21 LIGHT-WATER REACTORS. THE REMAINING LIGHT-WATER REACTOR INVOLVES A SPECIAL CASE, A NUCLEAR SHIP, AND THE RELEVANT ATTACHMENT IS STILL UNDER CONSIDERATION;
(B) THE TEXT OF FACILITY ATTACHMENTS FOR 36 RESEARCH REACTORS HAS BEEN COMPLETED. THE REMAINING 14 FACILITIES INVOLVE SPECIAL CASES, EITHER BECAUSE THEY PRODUCE SUB-

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STANTIAL QUANTITIES OF PLUTONIUM, HAVE A HIGH INVENTORY OF 235U OR PLUTONIUM CONTAINED IN FUEL ASSEMBLIES, OR ARE ASSOCIATED WITH RESEARCH LABORATORIES. DISCUSSIONS ON THESE ARE CONTINUING;

(C) OUT OF 81 LOCATIONS OUTSIDE FACILITIES WHICH REQUIRE ATTACHMENTS, NEGOTIATIONS HAVE BEEN COMPLETED ON 76. ATTACHMENTS FOR THE REMAINING FIVE LOCATIONS HAVE NOT YET BEEN FINALIZED, IN PARTICULAR BECAUSE THERE IS IN SOME CASES THE QUESTION AS TO WHETHER SUCH LOCATIONS SHOULD BE CLASSIFIED AS "FACILITIES", AND THESE REMAIN UNDER CONSIDERATION;

(D) THE TEXT OF THE ATTACHMENT FOR THE REPROCESSING PLANT IS NEARLY COMPLETE. IT IS HOPED THAT THE POINTS WHICH ARE STILL OPEN CAN SHORTLY BE RESOLVED IN ORDER TO ENABLE THE AGENCY TO ACHIEVE ITS SAFEGUARDS OBJECTIVES IN RESPECT OF THAT PLANT.

5. IT SHOULD BE POINTED OUT THAT IN EACH CASE WHERE THE TEXT OF THE ATTACHMENTS HAS BEEN FINALIZED THIS HAS BEEN

DONE BETWEEN THE AGENCY SECRETARIAT AND THE COMPETENT SERVICES OF THE COMMISSION. THE SECRETARIAT UNDERSTANDS THAT, UNDER THE INTERNAL PROCEDURES OF THE COMMUNITY, THE CONFIDENTIAL

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COMMISSION HAS TO CONSULT OPERATORS AND GOVERNMENTS BEFORE THE ATTACHMENTS CAN FORMALLY ENTER INTO FORCE. THE DIRECTOR GENERAL HAS URGED EXPEDITIOUS COMPLETION OF THESE CONSULTATIONS, EMPHASIZING THE NEED FOR AN EARLY ENTRY INTO FORCE OF THESE ATTACHMENTS, WHICH IS A PRECONDITION FOR THE AGENCY TO IMPLEMENT THE AGREEMENT EFFECTIVELY.

6. THE DIRECTOR GENERAL BELIEVES THAT THE ATTACHMENTS AGREED UPON SHOULD IN EACH CASE ENABLE THE AGENCY TO ACHIEVE ITS SAFEGUARDS OBJECTIVES AND TO TAKE FULLY INTO ACCOUNT THE SIGNIFICANT PARAMETERS TO WHICH THE DIRECTOR GENERAL MADE REFERENCE IN HIS STATEMENTS TO THE FEBRUARY BOARD. THE FURTHER DEVELOPMENT AND USE FORESEEN OF TAMPER-RESISTANT SURVEILLANCE EQUIPMENT SHOULD INCREASE THE CONFIDENCE LEVEL FOR TIMELY DETECTION WITH REGARD TO SPENT FUEL IN LIGHT-WATER REACTORS WHICH HAS TEMPORARILY BEEN SET AT A LOWER LEVEL.

REMAINING FACILITIES

7. DISCUSSIONS WHICH HAVE TAKEN PLACE ON THE ENRICHMENT FACILITY, ON FUEL FABRICATION FACILITIES AND OTHER FACILITIES HAVE SHOWN THAT THERE MAY BE PROBLEMS COMMON TO FUEL FABRICATION AND OTHER FACILITIES WHICH WOULD REQUIRE RESOLUTION BEFORE FURTHER PROGRESS CAN BE MADE ON SPECIFIC ATTACHMENTS. THESE PROBLEMS ARE BASIC TO THE ACHIEVEMENT OF THE AGENCY'S SAFEGUARDS OBJECTIVES INCLUDING TIMELY DETECTION AND CONCERN IN PARTICULAR: (A) THE ACCESS THAT THE AGENCY REQUIRES TO CERTAIN PARTS OF THE PROCESS ITSELF, AS WELL AS TO ADDITIONAL PROCESS DATA IN BULK FACILITIES HANDLING SIGNIFICANT QUANTITIES OF HIGHLY ENRICHED URANIUM AND PLUTONIUM. TO ENSURE SUCH ACCESS, IT IS NECESSARY TO DEFINE AN ADEQUATE NUMBER OF MATERIAL BALANCE AREAS (MBAS) IN EACH PLANT AND TO CONFIDENTIAL

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SELECT ADEQUATE STRATEGIC POINTS INSIDE SUCH MBAS AS WELL AS ON THEIR BOUNDARIES;

(B) THE FREQUENCY OF PHYSICAL INVENTORY TAKING AND VERIFICATION WHICH THE AGENCY CONSIDERS ESSENTIAL. THERE IS ALSO THE OPEN QUESTION OF THE WORKING ARRANGEMENTS OF THE JOINT IAEA/EURATOM INSPECTION TEAMS, WHICH

MUST OPERATE IN SUCH A WAY AS TO PROVIDE THE AGENCY WITH ALL THE NECESSARY INFORMATION TO ENABLE IT TO ARRIVE INDEPENDENTLY AT REQUIRED CONCLUSIONS.

8. WHILE SIGNIFICANT PROGRESS HAS BEEN MADE IN THE LAST TWO MONTHS IN THE NEGOTIATIONS ON THE TEXT OF THE ATTACHMENTS FOR A LARGE NUMBER OF INSTALLATIONS OF A LESS COMPLEX NATURE, IT IS APPARENT THAT THE REMAINING IMPORTANT INSTALLATIONS CALL FOR A MAJOR EFFORT TO MAKE THE EURATOM AGREEMENT FULLY OPERATIVE. A FURTHER EXTENSION OF THE PERIOD FOR FINALIZING THE FACILITY ATTACHMENTS WILL THUS BE NECESSARY AND THE DIRECTOR GENERAL WILL BE PREPARED TO ACCEPT SUCH AN EXTENSION FOR A PERIOD OF 60 DAYS. HE INTENDS TO SUBMIT A FURTHER REPORT TO THE BOARD IN JUNE.

RECOMMENDED ACTION BY THE BOARD

9. THE BOARD IS INVITED TO CONSIDER THIS REPORT AND TO PROVIDE THE DIRECTOR GENERAL WITH SUCH ADDITIONAL GUIDANCE AS IT DEEMS APPROPRIATE. END TEXT. LABOWITZ

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